

agacttcatt tccacggtca c

141

<210> 179  
<211> 478  
<212> DNA  
<213> Pinus taeda

<400> 179  
agggtgaccgt aagatcaaga gcacagaaag cagccatagc cccgcccatt gaatgcccatt 60  
aacaataatc tgtaacccat ctctctgttt ctgagctttc tgaactgctt ctacaacagt 120  
ggtcgtaagg ttgtgttggtg ataagcagag taaaatccat aatgtaccat tgcaccagca 180  
tattaggata gttgagatca agtgtcttac agaataaatc ctccacccaa ttctgtagct 240  
cctttcttga gtaccctga atgcaattac aattgcattg atatcttctg ccacaccaca 300  
aaagcctgaa ggcagtgttg tacatcaact ataagctcta ccacctgaaa accccagtca 360  
aaccattgca cctagaacaa gtccaagaca ttagagcact caaatcatcc ataagaccgc 420  
agaagcatat tgcacaagta tctcagcaag tgttcgatta tagacatggc cagggtcac 478

<210> 180  
<211> 381  
<212> DNA  
<213> Pinus taeda

<220>  
<221> modified\_base  
<222> (58)  
<223> a, t, c, g, other or unknown

<400> 180  
agggtgaccgt gggaggggag atttttgatt tatattttcca atataaaaaga aaatctangt 60  
tgtaaggaca tggcaagagc tcttatttcc ggggttttag cgtgggcccg gagcggatga 120  
aagcaaagt aagtcactcc gtgctttctc ggcatttgga cgcttctact ctaccgcact 180  
acagacggga ttgaacctcg catctctgag tgtttggtcg tttacatggc ggacttggtc 240  
cgcacctctg cggacgtcaa atgccgcgac gataatccct ttgagaacag cgatacggca 300  
gaaagatcgc cgttgacgaa gcgagaaaac tattgagact tgcagatgtg gagctgaaga 360  
agagcttgag tcgacggtca c 381

<210> 181  
<211> 521  
<212> DNA  
<213> Pinus taeda

<400> 181  
agggtgaccgt ccgttcggggg tgtattgtcg aacacgtagg atggtgctac gttgaaacca 60  
ccgttacctt cttegatatg ttatagtctg agttcatacg gagggaatac cgtttgtagt 120  
gttattcagc acaaccccg cctgattaaa ccccccgca accaaggacg tattcgacgt 180  
tcggtattgt ttgacacact caagttataa ccctgaatag gcgctaccg aagtaagcat 240  
tgtaccagtc gttatttttg ccttcgtatt gcgaaggatt ttgaaatata tccggacagg 300  
ctgcaaccga tottcataaa actctttctt aaactgagca aactgaacag cattagcatt 360  
ttgaccgac ctttcatecg cacctgctgc acaccgcat acgtattaaa gctatgttcg 420  
tctggccagg tttgcctttt ttggttgtaa tcaggacaac gccgttagcc gcccgcgac 480  
cgtagagcga cgtagaaaag cgcactcttc agcacggtca c 521

<210> 182  
<211> 307

&lt;212&gt; DNA

&lt;213&gt; Pinus taeda

&lt;400&gt; 182

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aggtgaccgt gaaatatgtg ggagatgata tgtgggtttcc tgaatattca cctcttgtgt 60
agaaaagtga gatccttaag atgttttgc taaagactc ttaggaatgt tggacccctt 120
tcagaatgcc atttgaatag attcaagggtg gtagctgttg cctggggctg ttttaggggt 180
ttaggccatg ctctgtaatt tcattgagtc aaaattggat taactgggtg cttttacctc 240
ataatagcta ctgcagtatt tgctgatata gcttccctat ttattgactc tccttaggta 300
cggtcac                                     307

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&lt;210&gt; 183

&lt;211&gt; 519

&lt;212&gt; DNA

&lt;213&gt; Pinus taeda

&lt;400&gt; 183

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aggtgaccgt ccgttcgggg tgtattgtcg aacacgtagg atgggtgctac gttgaaacca 60
ccgttacctt ctctgatatg ttatagtctg agttcatagc gaggggaatac cgtttgtagt 120
gttattcagc acaaccccg tctgattaaa ccccccgca accaaggacg tattcgacgt 180
tcgggtattgt ttgacacact caagttataa ctctgaatag gcgctacccg aagtaagcat 240
tgtaccaagt cgttatTTTT gccttcgtac tgcaaggat tttgaaatat atccgcacag 300
gctgcaactg atcttcgtaa aactctttct taaactgagc aaactgaaca gcacagcat 360
tttgaccgca cttttcatcg gcacctgctg cacaccgca tacgtattaa agcaatgttc 420
gtctggccag gtttgctttt tttggttgta acaggacaac gccgttagcc gccgcgatcc 480
gtagagcgac gtagaagccg catctttcag cgcggtcac                                     519

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&lt;210&gt; 184

&lt;211&gt; 629

&lt;212&gt; DNA

&lt;213&gt; Pinus taeda

&lt;400&gt; 184

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aggtgaccgt cgtcagaaaa aacgtgattt ccgcaaactt tggatcactc gtatcaatgg 60
gcagctcggt tgaacggact ttcatactca caattgatgc atgggtttgaa gttggctgaa 120
tcgaagtga cgtaaaaatg ttggctgact tggctgttaa cgatgcagca gctttcaaac 180
tcttgacagc gcagctaaag ctaagcttgg gtaaataatt aaaaaaagaa ccgagggttc 240
cttggttctt ttttataact tttaatgaaa agtatgaaga gagaaacagc ctgtcttcta 300
cttatagtat aagataaaaag cttgttactg ataagacagc tttcatggta aagcagttaa 360
aaatagggat ttgcgatata atagaaaaaa cagacgttta tgtaaataaa aaacagtaga 420
atggagaaat tatgtcagag aatcgtttgg ctggggatca gtattttgcg gccaggctct 480
cttaatcgct aatcgctcaa cctgtaagcg agccaaagggt ggctccgtat tgtcaaggat 540
aataagggtt atttcaactg ggtacaatgg ctcagtttca gggactggag actgtattga 600
ccaaggagtg cctggtcatt gacggtcac                                     629

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&lt;210&gt; 185

&lt;211&gt; 413

&lt;212&gt; DNA

&lt;213&gt; Pinus taeda

&lt;400&gt; 185

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aggtgaccgt ggccggagggt agggaagttt gacttctcat tttctcacgc actcctctcc 60
tcgtaacctc ggctgagtcg atggcggtt tttagtcgag tgtgctaacg caccctccgg 120
cctcaaaatt tccagctact cgtatttgat caatgctgaa atcgcgtaat tacgtagtaa 180
taaagcgtaa tgaattctat aatgaagcat gtttctctat agttcatgtg ccgagaggaa 240

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taatgaaaat gaggccttat atattatctg gggctcaagg agatgttata ttttccttcc 300
ttgggttagag accgtcaacc ttcacttgat tggataaagc ttcattttgt taaaacctcc 360
aagccagtag atacatacgg taggcacgta ttatggtaga gacatacggg cac 413

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<210> 186
<211> 397
<212> DNA
<213> Pinus taeda

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<400> 186
aggtgaccgt cctgttgccct aaccgcgaat ccaaactcgac ttgggctgct tcctttctgtg 60
cagatatttc tggtttggac tctagttctt gtcctcgaa atcatgcttg agtgcctggg 120
agctgcctcc aagtttgggt gacaggccca ttcttacag ctctctctt ccgcttatga 180
cagagtaatg acaggaattc aacctgacgg atccgtctag ctctcacaag gttgggaccc 240
tgtcttcgag agggttatct cttgagactg ttgactatat tttggatgag cctcagctc 300
tgtgtactat tggtcatgta ctggatactt tgtaaatgat tttattctgg ttttaccocg 360
ggggggggcat tttgactcct ggggttaata cggtcac 397

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<210> 187
<211> 467
<212> DNA
<213> Pinus taeda

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<400> 187
aggtgaccgt ggaacatgat gattagttct tctgtgggcc aggatgatta gttctctgtg 60
tgactgtggg ccaggatgat tagttctcct gtgacgactg ttggatagga tgattcgtct 120
cctgtggaca ggatgattag ttctcctgtc gaggcacct acccatgcaa tttgggatca 180
tggaagtac ctctcatctg atcaatgagt agggaaatgg ggtagggac cattagagta 240
ctatcgatgg acacatcggt gtatctaccg tcctatgcta ggacgacctc cattgtttgg 300
gattagttag agtggtatga cactctgaga ctgactttgg gtcagtggag gatgtatgat 360
acatcctoga tcattttctt ttcttcatag ttcgagcaga gcagagcaca acaggccaag 420
tagtgcaggg tagtgcattt gatggctggg atagtagcga cggtcac 467

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<210> 188
<211> 555
<212> DNA
<213> Pinus taeda

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<400> 188
aggtgaccgt aaataagatg acccacatgg agtttggccc tagtttccaa ttttaacacc 60
gctctcaact agggagaact ccattcgctg atccatttgt ccgactatac tatctctgca 120
tcagtgcctt aactactctt gcactgctct gctctactaa accatgaaga agaagaatga 180
ccgagaatgt ctcatgccat tctctattga cctgaagtta gtctatatg aagagatgtg 240
tcatatcaat cttattgacc caaagtcagt tttattgatc ccagatcaat atcacagaga 300
gtgtctcaaa ccactcatac tgatcccaga tcagtttcat tgatcccata tcaaggagat 360
catcctagaa tagggagtac agtagatata atgatgcat catcaatagt actctatggg 420
ccctaaccctt atttccctgc tcattgatca gatgagaggt acttccgatg agccacact 480
gcatgggtag gatgcctcga catgagaaat aatcatccta tccacaggag acgaatcctc 540
ctgtcccacg gtcac 555

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<210> 189
<211> 695
<212> DNA
<213> Pinus taeda

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